

BEST AVAILABLE COPY

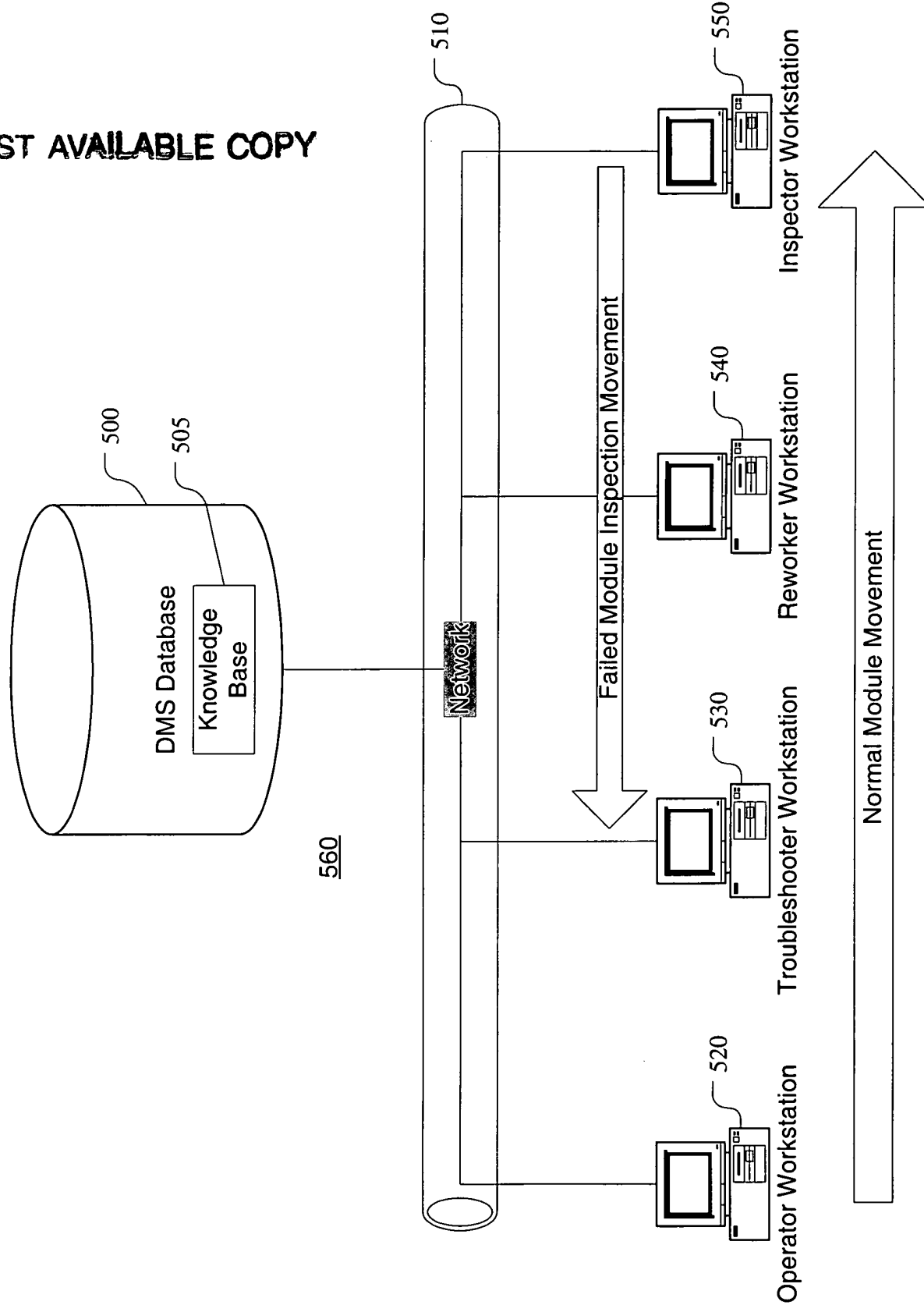


Figure 1

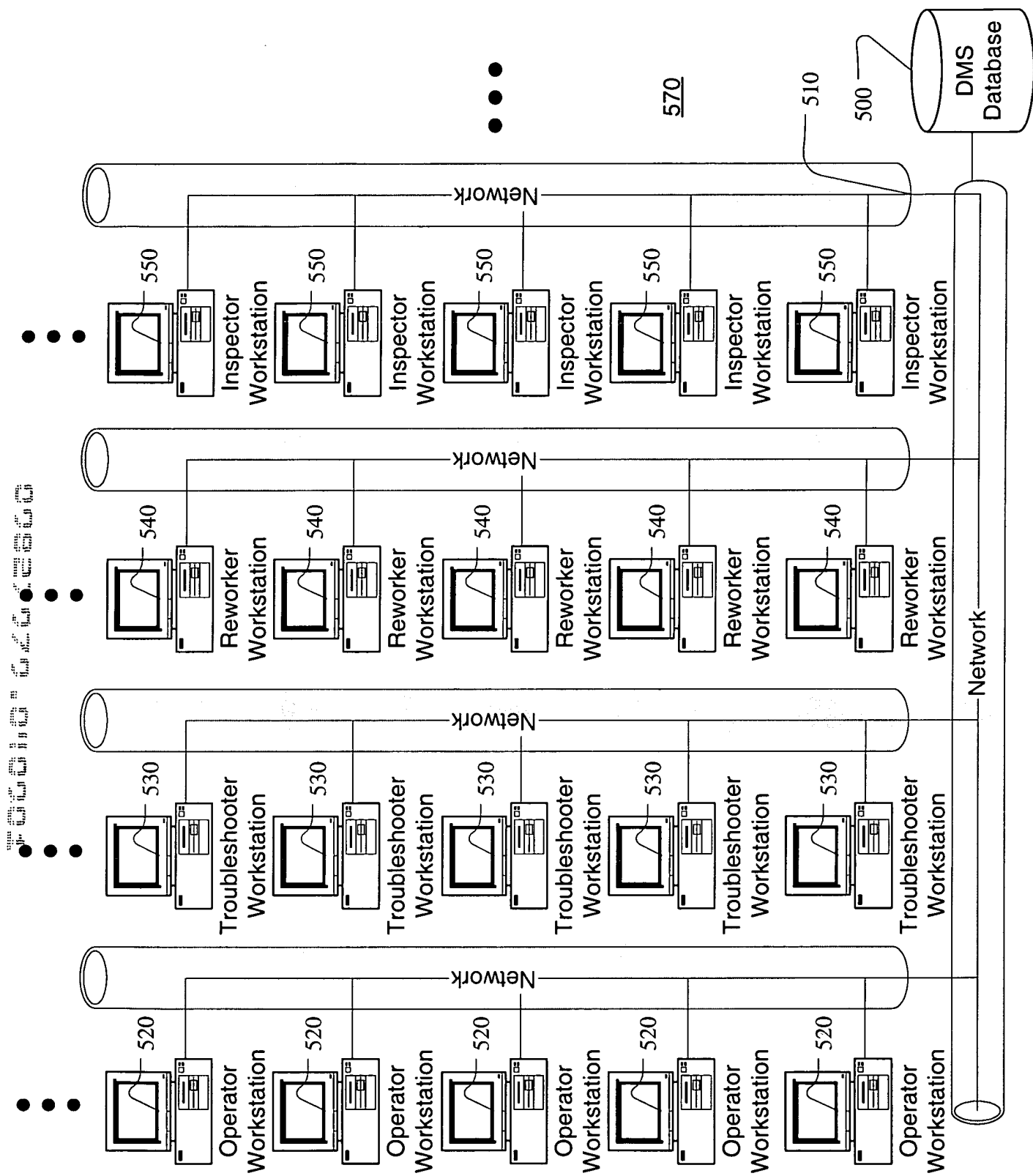


Figure 2

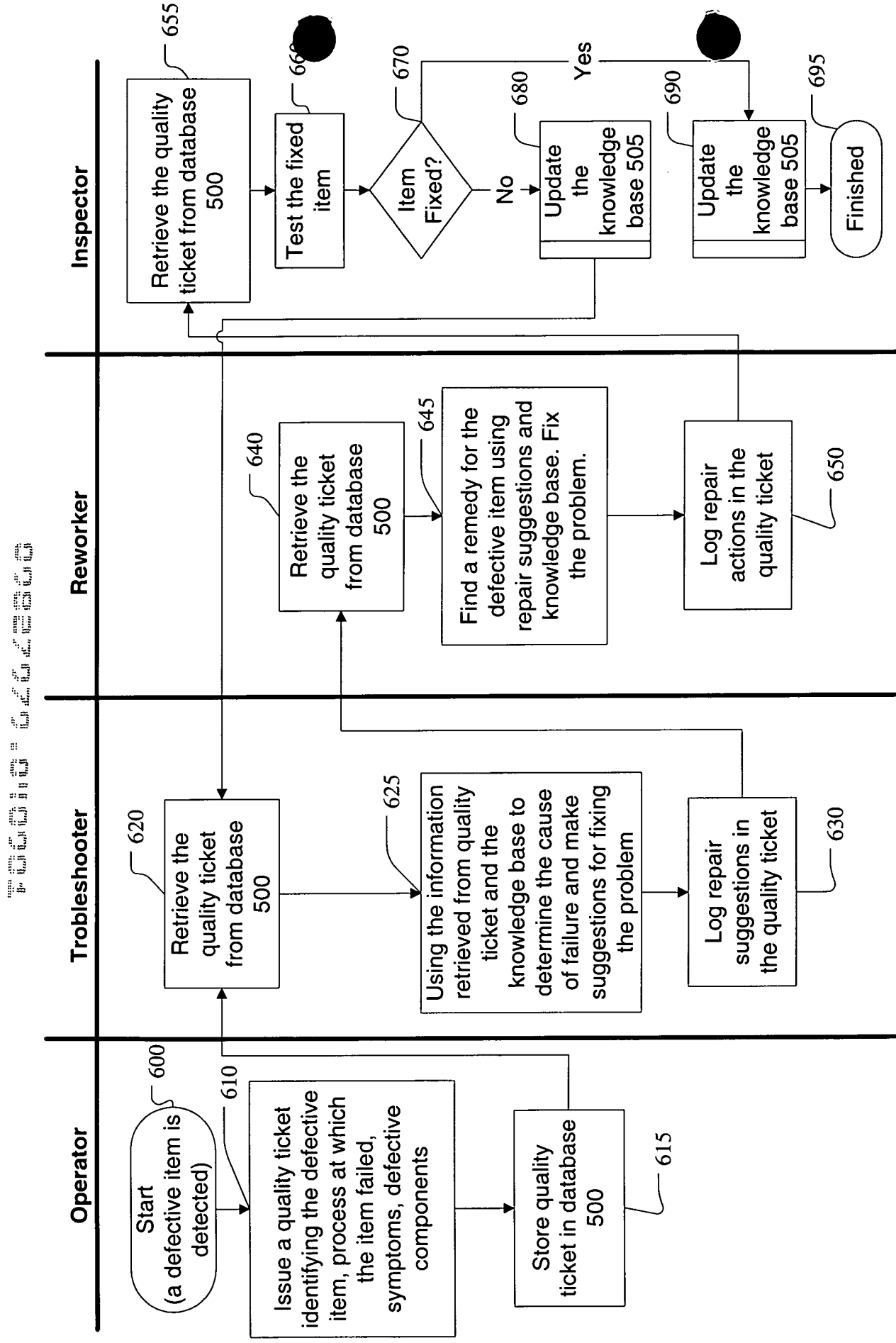


Figure 3

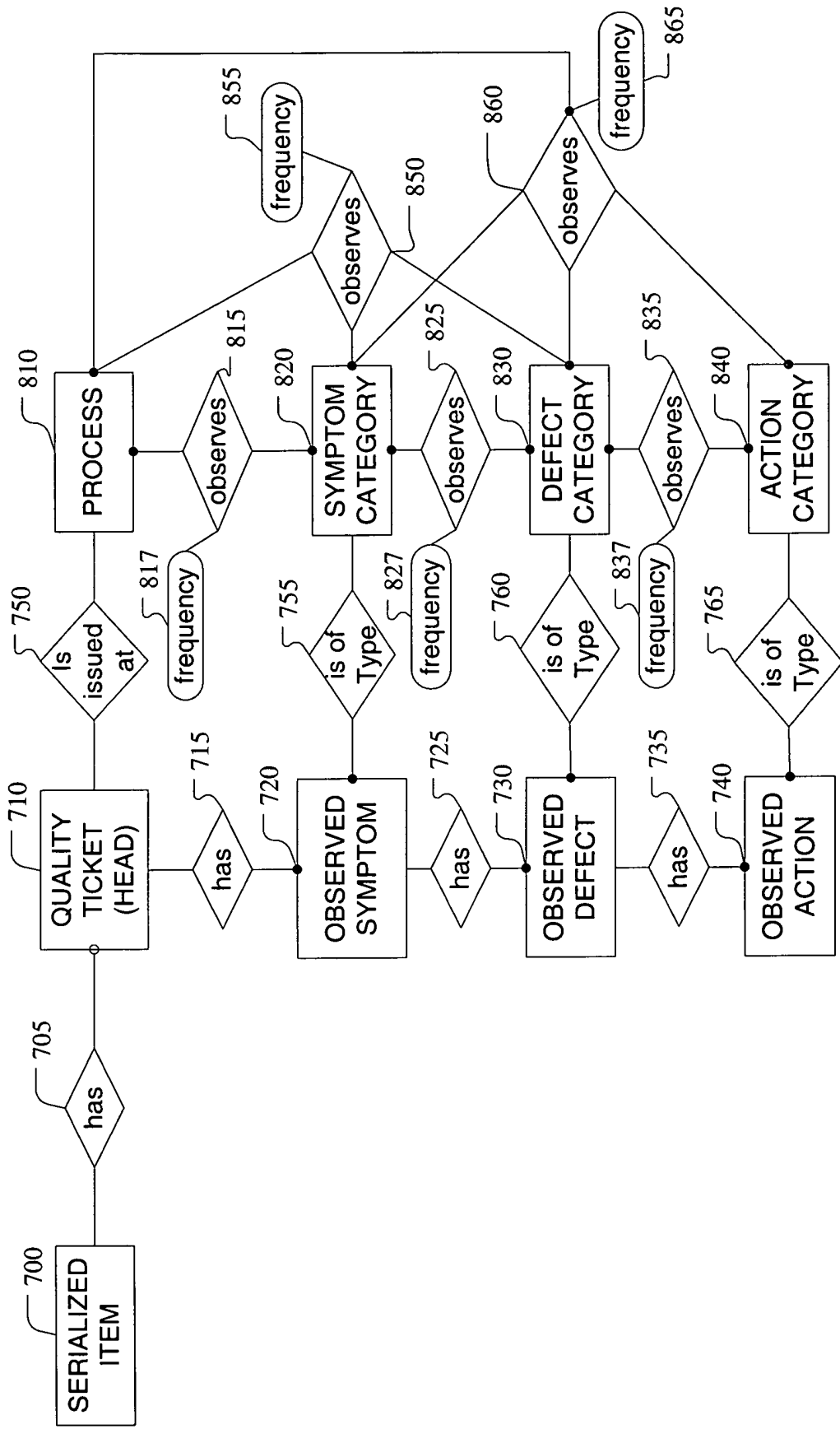


Figure 4

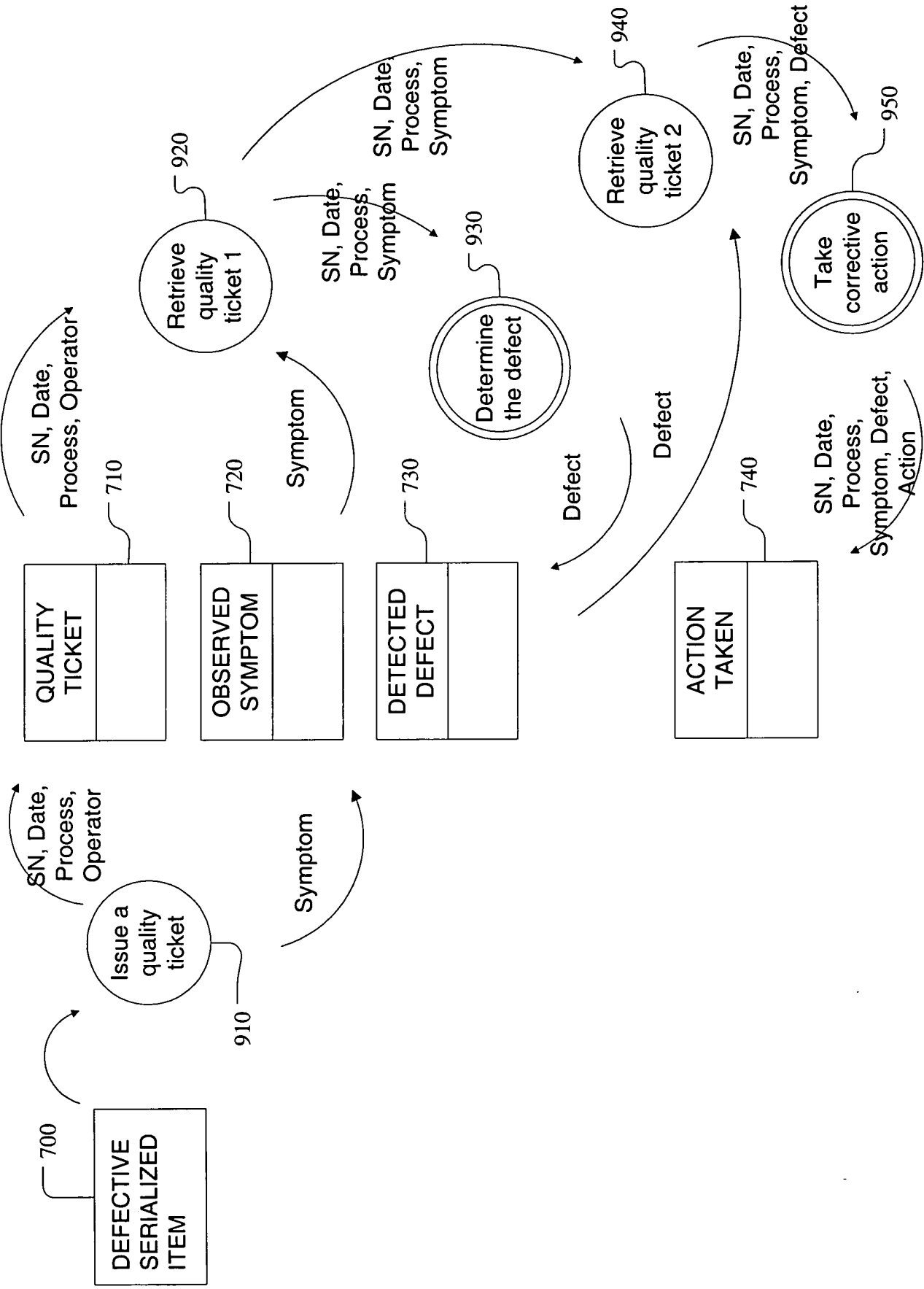


Figure 5

Quality Ticket (V1.2.2)

10 15 20 25 27 30 35 40 45 50

Serial Number [] Ticket []

Module Info
Application [] Part Number [] Revision []

Close Quality Ticket

Area Of Operation []

Symptom []

Initiated By []

Process Step (Test) []

Symptom Category []

Symptom []

Comment []

Quality Ticket Explorer OCS Support []

Current Operator CENAMINOJAPRA CENAMINOJAPRA

Save Cancel/New Defect No Defect Close

95 105 110 115 120 130 135 140

Figure 6a

Defect Management System (V 1.4.0) - Quality Ticket

Serial Number: [] Ticket: []

LookUp [] Close Quality Ticket []

Serialized Item Factory Data

Application: [] Part Number: [] Revision: []

Description: []

Area Of Operation: [System Test]

Symptom: []

Process (Test Stage): [CIAO 1] Process Step (Test): [DT]

Comment: []

Quality Ticket Explorer [] OCS Support []

System Test []

7 [] CIENA\dmstestuser1, CIENA\dmstestuser1

Save [] Cancel/New [] Defect [] No Defect [] Close []

5a 10 15 20 27 30 35 40 45 50 60 70 75 90 95 105 110 115 120 130 135

Figure 6b

Figure 7

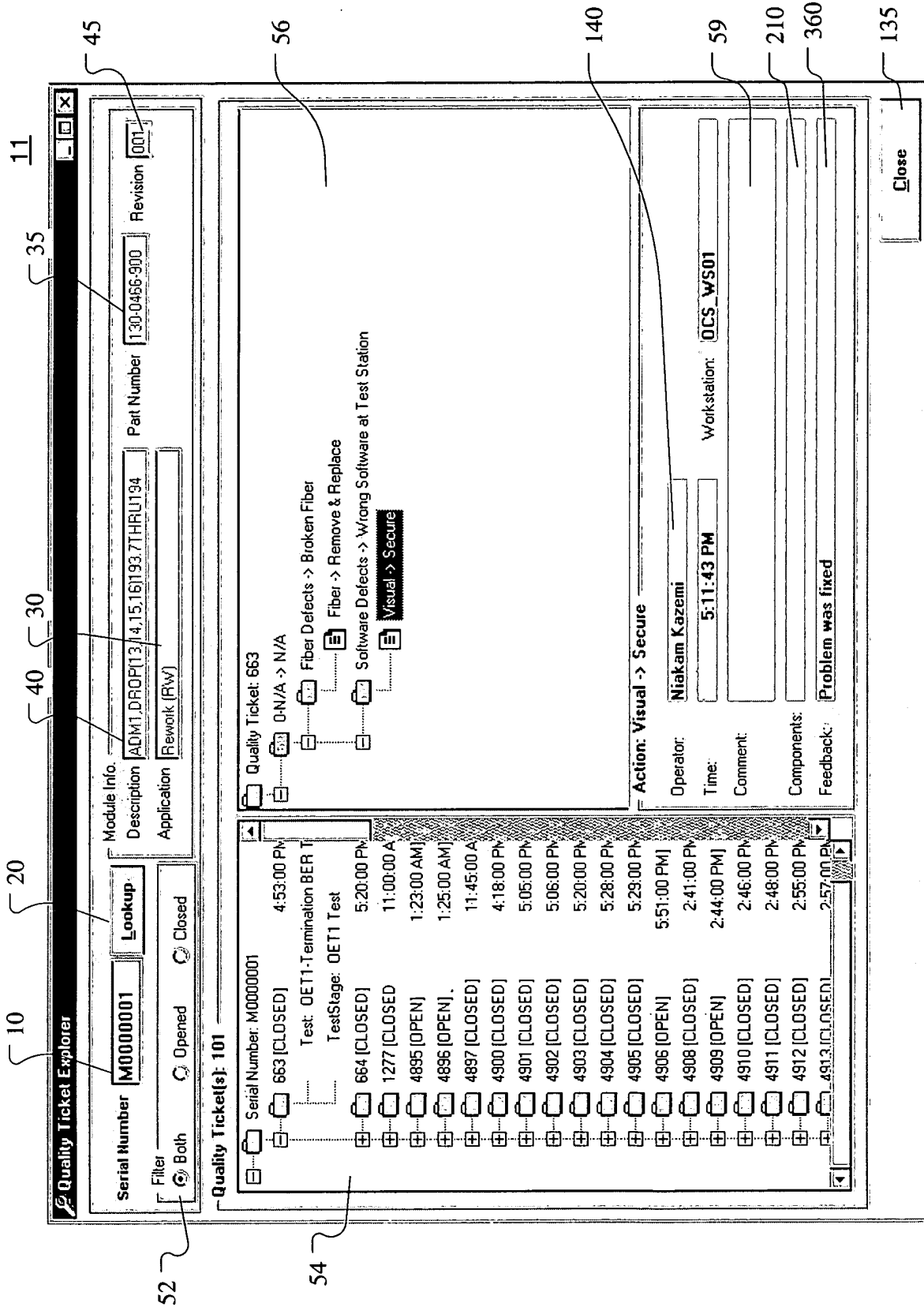


Figure 8

Figure 9

Figure 1 is a screenshot of a software interface titled "Defect Management System". The window title bar reads "Defect/Action Information for Quality Ticket: 401 [SN: M01154632; PN: 1130-0321-S10; Rev: B]". The interface is divided into several sections:

- Symptom Info:**
 - Process (Test Steps): U3 Test
 - Symptom Category: N/A
 - Symptom: 3-Output Output Calibration
 - Comment: U has without calibration on the U3 (this is a test)
 - Initiated by: CIENA\ocslabuser04
- Defect Table:**
 - Columns: Defect, Action, Defect
 - Defect Category: Solder Defects
 - Components: U541, U541
 - Comment: components not solder properly...
- Defect List and Details:**
 - Defect Category: Defect
- Buttons:** Save/New, Cancel, Support, Close, OK.
- Message Box:** Defect Management System. Defect information was logged in the database.

Figure 10a

Figure 1 is a screenshot of a "Defect/Action Information for Quality Ticket" form. The form is divided into several sections:

- Quality Ticket:** Ticket#: 416, SN: M0000002, PN: 13D-0466-800, Rev: 001.
- Symptom Info:** T3 Test, Process Step (Test), Symptom, Comment, Initiated by: CIENA\miaoqian, OE.NA\miaoqian.
- Defect:** Action Category, Component, Comment, Reviewer: CIENA\miaoqian, OE.NA\miaoqian.
- Feedback:** Problem was fixed, Problem was not fixed, Feedback, Save, Cancel.
- Defect List and Details:** Defect Category, Defect, Broken Fiber, Log Date/Time.

The form also includes a "Close" button at the bottom right.

Figure 11a

140

70

80

295

50

75

85

8a

Defect/Action Information for Quality Ticket: Ticket#: 4895 [SN: M0000001; PN: 130-0466-900; Rev: 001]

Operator:

Process (Test Stage):

Symptom Category:

Comment:

CIENA\dmstestuser1

OT1 - Rx

1-N/A

Area of Operation:

Process Step (Test):

Symptom:

10G

FX grating test

N/A

200

380

300

385

Defect

Action

Action Category:

Components:

Comment:

Testing2

Testing2 Step

Save

305

390

To get the detailed information on each defect double click on the corresponding row or click on the Feedback button

315

310

320

Status	Defect Category	Defect	Reference Designator(s)
Not Fixed	Component Defects	Damaged	YERE, EEE
No Action	Component Defects	Damaged	tmdd
No Action	Component Defects	Damaged	
No Action	Component Defects	Damaged	GGG, DFDD, DDD

335

7

System Test

CIENA\dmstestuser1

Feedback

Close

360

350

Figure 11b

The screenshot displays the 'Defect Management System' interface. At the top, a header bar contains the text 'Defect/Action Information for Quality Ticket: 420 [SN: M0000002; PN: 130-0466-500; Rev: 001]'. Below this, the 'Quality Ticket' section includes fields for 'Symptoms Info', 'Process Step (Test)', 'Symptom Category', 'Symptom', and 'Comment'. The 'Initiated by' field is populated with 'CIENA\mrojaia'. A 'Defect' tab is selected, showing a list of defects. The 'Defect List and Details' section contains a table with columns for 'Defect Category', 'Defect', and 'Log Date Time'. The table lists four defects: 'Fiber Defects', 'Component Defects', 'Fiber Defects', and 'Software Defects'. A 'Close' button is located at the bottom right. A 'Defect Management System' dialog box is open, displaying 'Action Category: Fiber', 'Components: u-656', 'Comment: Testing', and 'Remarks: CIENA'. The dialog box also shows a 'Save' button and a 'Cancel' button. A 'Close' button is also visible in the bottom right corner of the main window.

Figure 12

Figure 1 is a screenshot of a software interface titled "Defect/Action Information for Quality Ticket: 416 [SN: M00000002; PN: 130-0455-900; Rev: 001]". The interface is divided into several sections:

- Quality Ticket**: Contains fields for "Symptom Info", "Process (Test Stage)", "Symptom Category", and "Comment".
- Initiated by**: A dropdown menu.
- Defect**: A dropdown menu.
- Action**: A dropdown menu.
- Action Category**: A dropdown menu.
- Components**: A dropdown menu.
- Comment**: A text area.
- Feedback**: A text area.
- Problem was fixed**: A checkbox.
- Problem was not fixed**: A checkbox.
- Save**: A button.
- Cancel**: A button.
- Defect List and Details**: A table with columns for "Defect Category", "Defect Filter", and "Feedback".
- Problem was fixed**: A radio button.
- Problem was not fixed**: A radio button.
- Save**: A button.
- Close**: A button.
- Area of Operation**: A dropdown menu.

Figure 13


Figure 14

386

389

388

387


Troubleshooting Guide

The following is a list of the most likely causes for the specified SYMPTOM

Defect Category	Defect	Frequency
Component Defects	Defective Component	58
Testing Defects	Test Error	51
Component Defects	Damaged	26
Fiber Defects	Broken Fiber	11
Connector Defects	Pitted	10
Solder Defects	Insufficient Solder	8
Testing Defects	High Insertion loss	6
Solder Defects	Excessive Solder	5
Testing Defects	Proof Test Break	5
Component Defects	Wrong Component	5

Close

350

Figure 15

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

☐ **BLACK BORDERS**

☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**

☐ **FADED TEXT OR DRAWING**

☒ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**

☐ **SKEWED/SLANTED IMAGES**

☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**

☐ **GRAY SCALE DOCUMENTS**

☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**

☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**

☐ **OTHER: _____**

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.